

**Gas burner for domestic cooker - has cylindrical housing with flames directed radially inwards**

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**Classification:**

**- international:** F23D14/06; F23D14/04; (IPC1-7): F23D14/10; F23D14/58; F24C3/08

**- european:** F23D14/06B

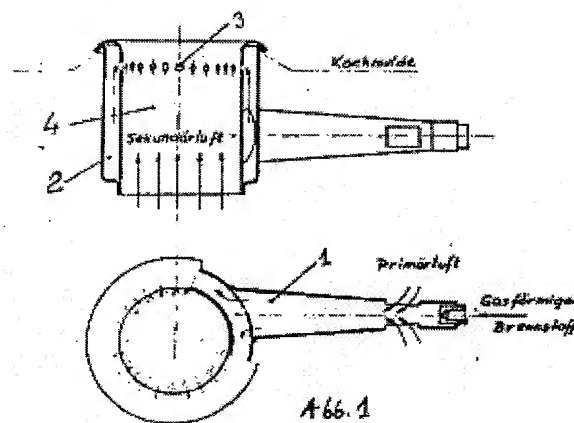
**Application number:** DE19893918715 19890608

**Priority number(s):** DE19893918715 19890608; DE19893915745 19890513

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**Abstract of DE3918715**

A gas burner for a domestic cooker is constructed from two co-axial cylindrical housings with an annular chamber (2) formed between the walls of the housings. The gas supply pipe is connected to the outer housing so that a mixture of gas and primary air flows into the annular chamber. The inner housing has a ring of holes (3) in its wall near the upper end. The mixture of gas and primary air flows through these holes into the circular duct (4) formed by the inner housing. This mixture is ignited to form tongues of flame which are directed radially inwards. Secondary combustion air is drawn into the duct (4) and flows upwards to the flames. USE - Domestic gas cookers.



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①9 BUNDESREPUBLIK  
DEUTSCHLAND



DEUTSCHES  
PATENTAMT

⑫ Offenlegungsschrift  
⑪ DE 39 18 715 A1

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③⑩ Innere Priorität: ③② ③③ ③①  
13.05.89 DE 39 15 745.8

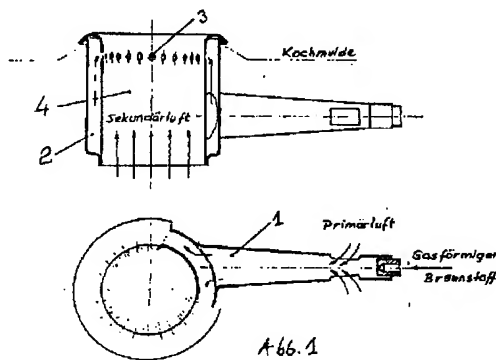
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DE

⑦② Erfinder:  
gleich Anmelder

⑥④ Gasbrenner mit konvergenter Flamme für Haushaltsherde (-Kocher) und für ähnlichen Anwendungen

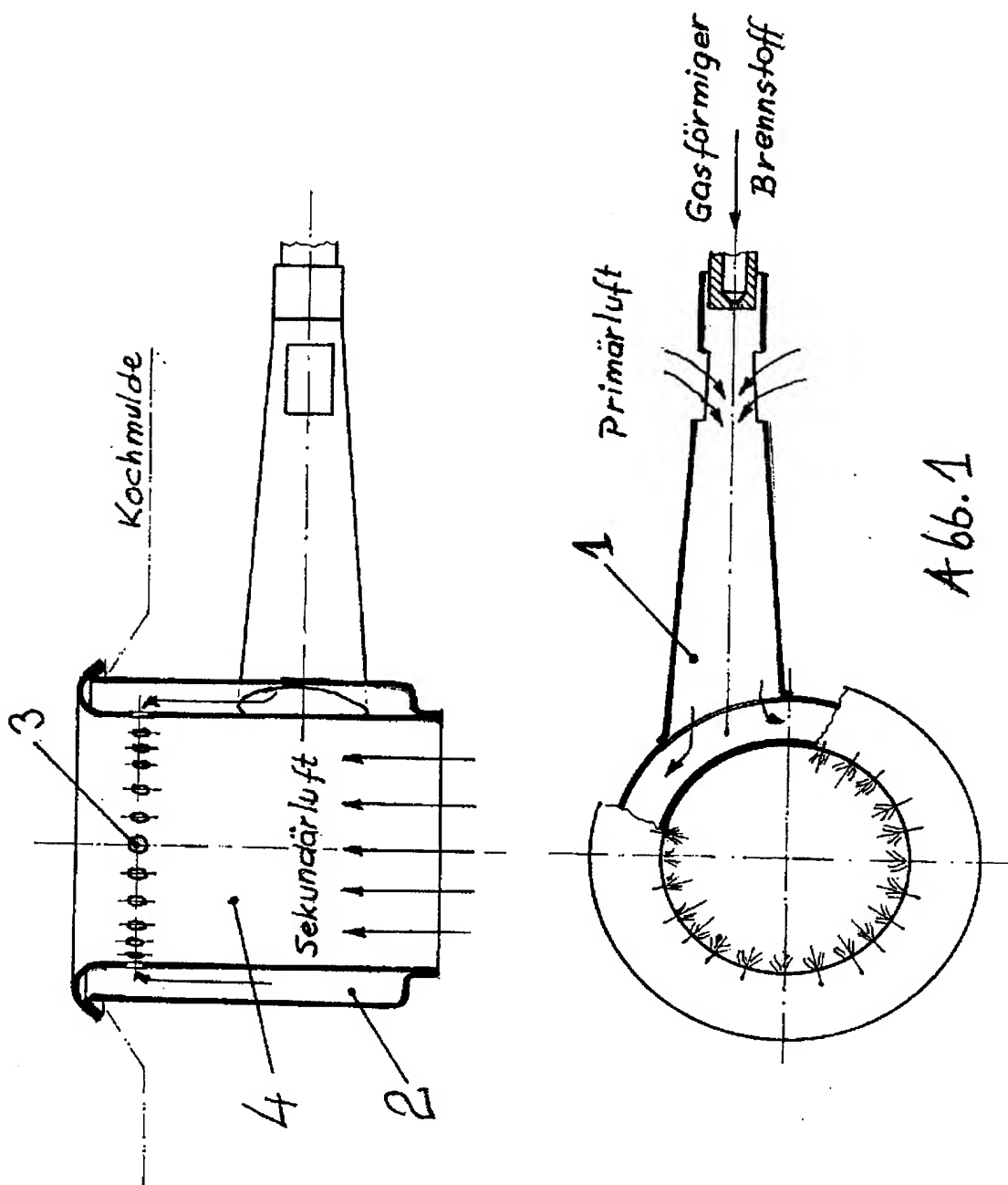
Zur Erhöhung des Wirkungsgrades und des Widerstandes gegenüber seitlichen Windstößen sowie zur Reduzierung der unteren Grenze der Nennleistung der Gasbrenner für Haushaltsherde und Hauskochen werden die Flammenzungen gegen die Symmetrieachse des Gasbrenners gerichtet.

Die Sekundärluft, die man zur Vollbrennung benötigt, wird durch das Innere des Gasbrenners besorgt (siehe Abbildung).



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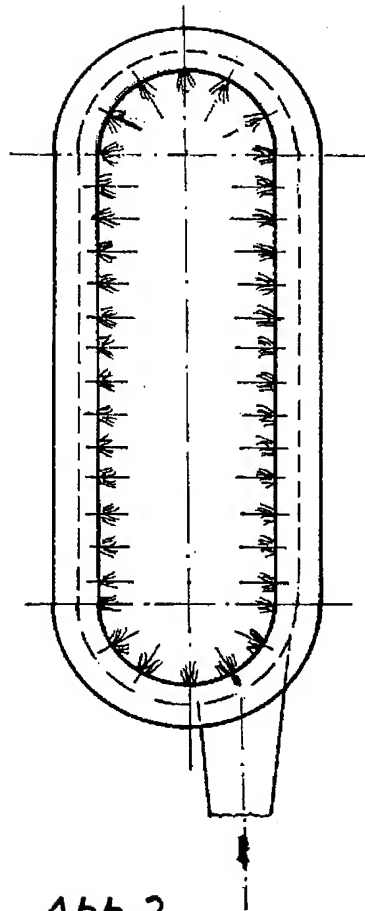


Abb. 2.

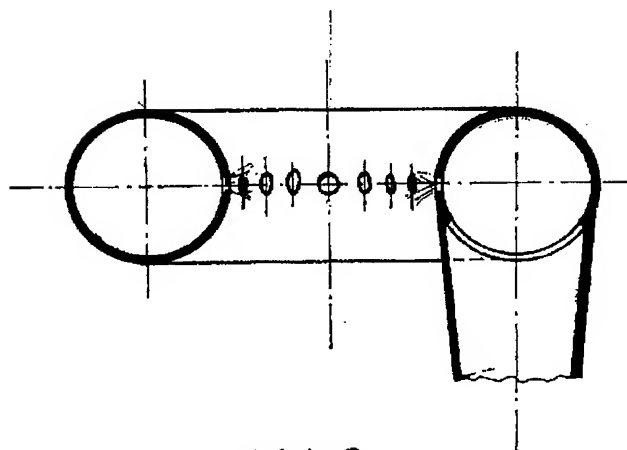


Abb. 3.

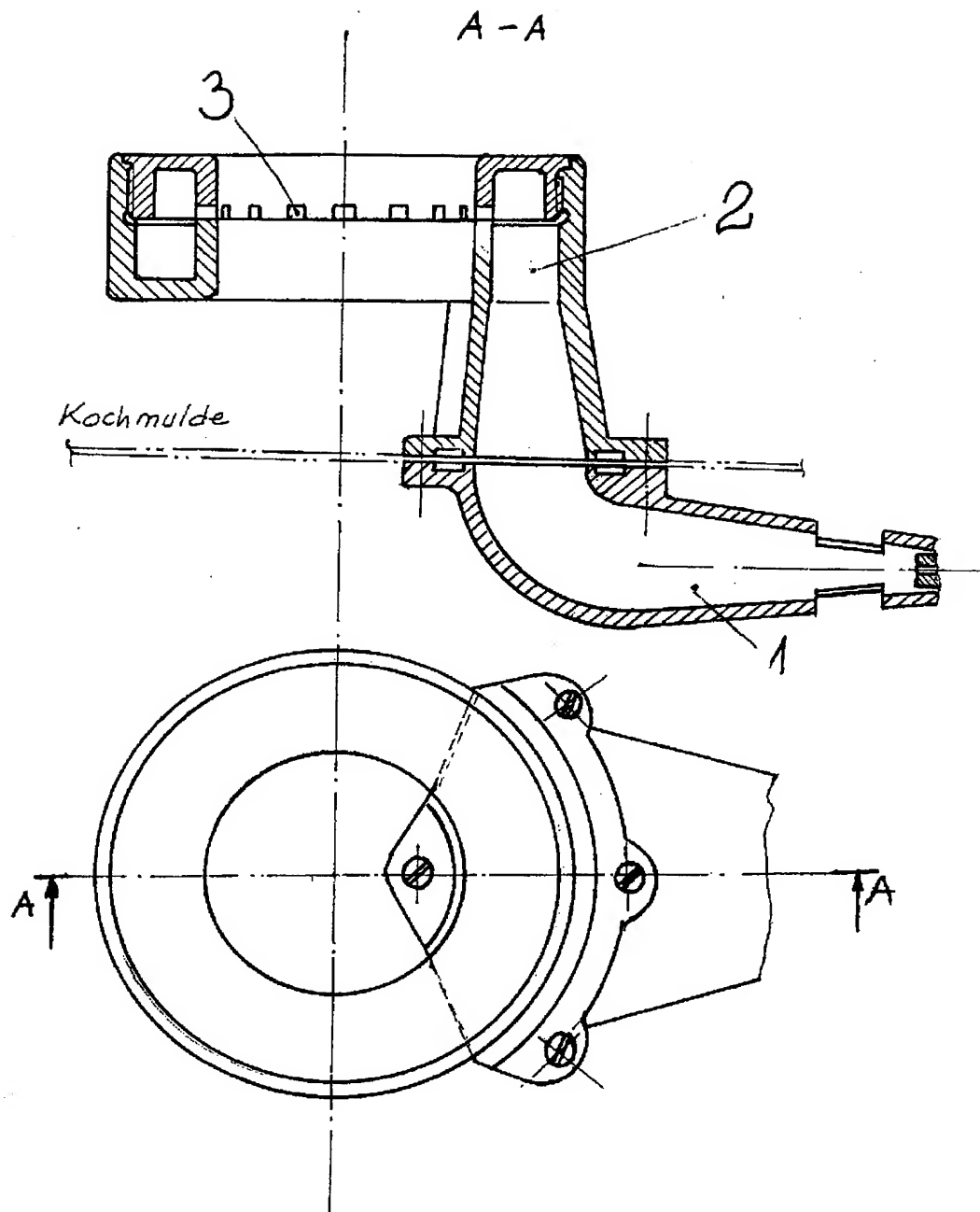


Abb. 4